

**LISTING OF THE CLAIMS:**

Claims 1-7 (canceled)

8. (Currently amended) A biosensor for determining the concentration of a substrate in a sample solution, said biosensor comprising:

an electrically insulating base plate;

an electrode system having a working electrode, a counter electrode and a third electrode to be utilized as an interfering substance detecting electrode, said working electrode, said counter electrode and said third electrode being formed on said base plate;

a reaction layer comprising an oxidoreductase and an electron mediator, said reaction layer being formed on said electrode system so as to cover said working electrode and said counter electrode, said reaction layer not covering said third electrode; and

a cover member forming a sample solution supply pathway to introduce a sample solution from a sample solution supply port into said reaction layer on said base plate, wherein said third electrode being located closer to said sample solution supply port than said reaction layer[[:]]

~~wherein said electron mediator is reduced by the electrons produced by the reaction between the substrate contained in the sample solution and the oxidoreductase, said reduced amount of said electron mediator being measured electrochemically and said entire working electrode being located closer to said sample solution supply port than said counter electrode.~~

9. (Currently amended) The biosensor in accordance with claim 8, wherein said working electrode is located closer to said sample solution supply port than said counter electrode so that the entire exposed area of said working electrode can be filled with a sample solution prior to reaching said counter electrode.

10. (Currently amended) The biosensor in accordance with claim 8, wherein ~~the reduced amount of said electron mediator is determined by measuring a current flowing between said counter electrode and said working electrode~~ said working electrode, counter electrode and third electrode are electrically connected to three independent leads.

11. (Previously presented) The biosensor in accordance with claim 8, wherein said biosensor is disposed with a layer essentially composed of lecithin on an exposed surface of the sample solution supply pathway of said cover member.

12. (Previously presented) The biosensor in accordance with claim 8, wherein said biosensor further contains a hydrophilic polymer in said reaction layer.